

## INTERNATIONAL SEARCH REPORT

Internat'l Application No  
PCT/GB 03/03357

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B32B35/00 B25B3/00 B32B17/10 B25B11/00 B60J1/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B32B B25B B60J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 104 304 A (DOTSON JIMMY R) 14 April 1992 (1992-04-14)  column 2, line 51 -column 4, line 9; figures 1-3 ---	1,2,4-7, 9,10, 12-15
X	US 4 047 863 A (KELCHNER HARLEY E ET AL) 13 September 1977 (1977-09-13) column 3, line 25 -column 6, line 19; figures 1,2 ---	1,9,13, 15,16
A	EP 0 402 875 A (DOTSON JIMMY R) 19 December 1990 (1990-12-19) column 3, line 24 -column 6, line 28; figures 2,3 --- -/-	1-4,9, 12-15

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*P\* document published prior to the International filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

20 October 2003

Date of mailing of the International search report

06/11/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 291 866 A (PETERSEN PAUL S) 29 September 1981 (1981-09-29) abstract; figure 2 -----	1,9,12, 13

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No

PCT/GB 03/03357

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5104304	A	14-04-1992	NONE			
US 4047863	A	13-09-1977	NONE			
EP 0402875	A	19-12-1990	US AU AU CA EP	4954300 A 625038 B2 5699190 A 2018842 A1 0402875 A2	04-09-1990 25-06-1992 20-12-1990 14-12-1990 19-12-1990	
US 4291866	A	29-09-1981	CA	1144531 A1		12-04-1983